

## AMENDMENT NO. 1 JUNE 2020

TO

### IS 10151 : 2019 POLYVINYL CHLORIDE (PVC) AND ITS COPOLYMERS FOR ITS SAFE USE IN CONTACT WITH FOODSTUFFS, PHARMACEUTICALS AND DRINKING WATER — SPECIFICATION

*(First Revision)*

*(Page 1, clause 2)* — Substitute ‘9833 : 2018 List of colourants for use in plastics in contact with foodstuffs and pharmaceuticals (*Second Revision*)’ for ‘IS 9833 : 2014 List of pigments and colourants for use in plastics in contact with foodstuffs, pharmaceuticals and drinking water (*first revision*)’.

*(Page 1, clause 4)* — Insert the following new clause and renumber the subsequent clauses:

#### **‘4.1 Basic Resin**

As prescribed in IS 10148.

*(Page 1, clause 4.1)* — Substitute the following for the existing clause:

#### **‘4.2 Material**

The threshold limits of the catalysts, polymerization inhibitors, emulsifying agents, suspension agents, chain-transfer agents and miscellaneous additives are given in IS 10148 for guidance purpose.’

*(Page 1, clause 4.2)* — Substitute the following for existing clause:

**‘4.3** The threshold limits of auxiliary items, that is, plasticizers, stabilizers, lubricants and other additives are used in PVC compounds for food-packaging applications are given in IS 10148 for guidance purpose.’

*(Page 1, clauses 4.4, 4.4.1 and 4.4.2)* — Substitute the following for the existing clauses:

#### **‘4.5 Monomer Content**

**4.5.1 Residual Vinyl Chloride Monomer (RVCM) Content** — The RVCM content of PVC suspension resin used for the manufacture shall not exceed 2 ppm, when tested as prescribed in Annex A.

**4.5.2** The RVCM content in the PVC containers/film for food packaging, pipes for water transportation etc shall not exceed 1 ppm when tested as prescribed in Annex A.

#### **4.5.3 Migration of RVCM into Foodstuffs**

The migration of RVCM into foodstuffs being packed shall not exceed 10 ppb when tested as prescribed in Annex B.

NOTE — In accordance with the EEC Council Directive 78/142/EEC, determination by simulants is permissible.'

*(Page 2, clauses 5.3 and 5.3.1)* — Substitute the following for the existing clauses:

#### **‘5.3 BIS Certification Marking**

The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *Bureau of Indian Standards Act, 2016* and the Rules and Regulations framed thereunder, and the products may be marked with the Standard Mark.'

*(Page 10, Annex E)* — Substitute ‘IS 9833 : 2018 List of colourants for use in plastics in contact with foodstuffs and pharmaceuticals (*second revision*)’ for ‘IS 9833 : 2014 List of pigments and colorants for use in plastics in contact with foodstuffs, Pharmaceuticals and drinking water (*first revision*)’.

*(Page 10, Annex E)* — Delete ‘IS 10141 : 2001 Positive list of constituents of polyethylene in contact with foodstuffs, pharmaceuticals and drinking water (*first revision*)’

*(Page 10, Annex E)* — Substitute ‘IS 10151 : 2019 Polyvinyl chloride (PVC) and its copolymers for its safe use in contact with foodstuffs, pharmaceuticals and drinking water — Specification (*first revision*)’ for ‘IS 10151 : 1982 Specification for polyvinyl chloride (PVC) and its copolymers for its safe use in contact with foodstuffs, pharmaceuticals and drinking water’.

*(Page 11, Annex E) — Delete ‘IS 10909 : 1984 Positive list of constituents of polypropylene and its copolymers for its safe use in contact with foodstuffs, pharmaceuticals and drinking water (first revision)’*

*(Page 11, Annex E) — Delete ‘IS 12229 : 1987 Positive list of constituents of Poly alkylene terephthalates (PET and PBT) for their safe use in contact with foodstuffs, pharmaceutical and drinking water’*

*(Page 11, Annex E) — Substitute ‘IS 12252 : 2017 Polyalkylene terephthalates (PET and PBT), their copolymers and list of constituents in raw materials and end products for their safe use in contact with foodstuffs and pharmaceuticals (first revision)’ for ‘IS 12252 : 1987 ‘Polyalkylene terephthalates (PET and PBT) for their safe use in contact with foodstuffs, pharmaceuticals and drinking water’.*

*(Page 11, Annex E) — Insert ‘IS 16738 : 2018 Positive list of constituents for polypropylene, polyethylene and their copolymers for its safe use in contact with foodstuffs and pharmaceuticals’ at appropriate place.*